

Lake District National Park

Forecast valid from 00:00 on Friday 09 Dec 2022 until 23:59 on Saturday 10 Dec 2022

Forecast Issued on Thursday 08 Dec 2022 at 16:20

Confidence: High for cold conditions continuing but lower regarding distribution of any showers and, especially Saturday morning, cloud details

Headline for Friday 09 Dec 2022: Cold but mainly dry with some good spells of sunshine. Northwesterly winds easing

Mountain weather hazards on Friday 09 Dec 2022

Blizzards
No Likelihood

Heavy persistent snow
No Likelihood

Storm force winds
No Likelihood

Gales
No Likelihood

Severe chill effect
Medium Likelihood

Poor visibility
Low Likelihood

Thunderstorms
No Likelihood

Heavy persistent rain
No Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Clear night	Clear night	Clear night	Sunny intervals	Sunny intervals	Sunny intervals	Partly cloudy (night)	Partly cloudy (night)
Precipitation probability							
00%	00%	<05%	10%	20%	20%	10%	20%

Forecast for Friday 09 Dec 2022

Weather: Clear overnight with a widespread frost, perhaps a few mist or freezing fog patches in eastern valleys. Then a frosty start to a bright day with some good spells of sunshine, just the risk of a few snow showers across western fells. During the late evening more frequent snow showers are expected to edge across western fells.

Chance of cloud-free hill tops above 800m: Close to 100% at first, falling to 60% over western fells and 75% for eastern fells, from mid-morning. Chances expected to fall further in evening.

Low cloud and visibility: Occasional or, in the west, periods cloud from mid-morning above about 600m. Away from cloud visibility excellent but a kilometre or less in any early mist and freezing fog and perhaps in any snow showers.

Forecast for Friday 09 Dec 2022

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	17/20 N	20/24 NW	23/27 NW	18/21 NW	14/17 NW	15/17 NW	16/18 NW	11/13 NW	9/12 W
600	11/16 N	13/18 NW	15/21 NW	12/17 NW	8/11 NW	8/11 NW	9/13 W	8/10 W	7/9 W
300	4/12 NW	4/15 NW	4/16 NW	4/13 NW	3/10 NW	2/10 NW	3/10 NW	3/9 NW	2/6 NW
Valley	5/13 N	5/17 N	5/18 NW	4/15 NW	4/9 NW	2/9 N	3/11 N	3/9 NW	2/6 NE

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-4/-11	-5/-13	-5/-13	-4/-12	-4/-10	-4/-10	-4/-11	-4/-10	-5/-10
600	-3/-9	-3/-10	-3/-10	-3/-8	-2/-6	-2/-6	-3/-8	-3/-7	-3/-7
300	-2/-4	-2/-5	-2/-5	-1/-3	1/-1	0/-2	-2/-4	-1/-3	-2/-4
Valley	-0/-3	-0/-3	0/-3	1/-1	3/1	2/0	0/-2	1/-1	0/-1
Freezing Level*	00m	00m	100m	200m	300m	300m	200m	200m	200m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Valley temperatures at dawn locally minus 4 or 5 Celsius. A cold day with frozen surfaces persisting at all but the lowest levels.

Forecast for Saturday 10 Dec 2022

Weather: Occasionally heavy snow showers are expected to affect the area overnight, these largely dying out by morning. Then a rather cloudy start but becoming brighter with sunny spells developing and most places remaining dry, although a few snow showers possible over western fells.

Maximum wind: Variable less than 10mph.

Chance of cloud-free hill tops above 800m: Little chance becoming around 75% through the morning.

Low cloud and visibility: Periods or persistent cloud above 450-600m at first gradually lifting and breaking to become more occasional above 600m through the morning. Away from the cloud visibility very good but a kilometre or less in snow showers, especially overnight.

Temperature: **Valleys:** Around minus 2 or 3 Celsius overnight rising to 3 or 4 Celsius by day
At 800m: Around minus 4 Celsius
Freezing level: Frozen surfaces persisting through the day at all but the lowest levels

Ground Conditions Supplement

Date: Thursday 8 December 2022 Location: Helvellyn summit at 12:00 Full report: A spectacular high pressure day on the Lake District fells with plenty of sunshine but biting cold temperatures in a fresh northerly wind. Temperatures in the valleys overnight were down to -5 to -8 degrees C and there was a hard overnight frost which only marginally thawed during the day. Many of the higher Lake District summits are now sporting a white cap. However the majority of this is a thick layer of rime (ice feathers) with minimal snow coverage. The very low humidity means that conditions underfoot were pretty grippy with no sign of any verglass (black ice) and just a few patches of ice to avoid where there was run off over the paths. Microspikes and trekking poles are highly recommended for walks at all levels and the addition of an ice axe will greatly improve your margin of safety if you are venturing on to steep and exposed terrain such as the Helvellyn Edges. Plenty of warm and windproof layers, hats and gloves are also essential to deal with the windchill of -15 degrees C. The weather deteriorated slightly through the afternoon and there were isolated snow showers falling on frozen ground at all levels. However these aren't forecast to accumulate to any great depth so conditions on Friday should be broadly similar. Temperature: minus 4.9 C, Maximum wind speed 22.6 mph, Wind chill: minus 15.3 C, Average wind speed: 16.5 mph

Issued at: 1620 on Thu 08 Dec 2022